

**APPARATUS AND METHOD FOR IDENTIFYING POSSIBLE
DEFECT INDICATORS FOR A VALVE**

ABSTRACT OF THE DISCLOSURE

A method, apparatus, and computer program are provided for identifying possible indicators of a defective valve. The method, apparatus, and computer program decompose a signal having a plurality of process variable measurements into a plurality of resolution levels. The process variable measurements are associated with operation of a valve. The method, apparatus, and computer program group the resolution levels into a plurality of groups. The method, apparatus, and computer program identify one or more defect indicators for at least some of the resolution levels using the groups. The one or more defect indicators are associated with a possible defect in the valve.